

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/787,252

DATE: 07/27/2001

TIME: 20:03:43

Input Set : A:\ES.txt

Output Set: N:\CRF3\07272001\I787252.raw

ENTERED

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5 <110> APPLICANT: Lex M. Cowser
7 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF RhoG EXPRESSION
9 <130> FILE REFERENCE: RTSP-0106
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/787,252
C--> 11 <141> CURRENT FILING DATE: 2001-03-15
11 <150> PRIOR APPLICATION NUMBER: 09/161,015
12 <151> PRIOR FILING DATE: 1998-09-25
14 <160> NUMBER OF SEQ ID NOS: 47
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1284
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
21 <220> FEATURE:
22 <221> NAME/KEY: CDS
23 <222> LOCATION: (130)..(705)
25 <400> SEQUENCE: 1
26      gcttcctcgag ccgcgagccg ctgcgcgcgc ccccgctcc cccgcctcgg gaggggcacc      60
28      aggtcactgc agccagaggg gtccagaaga gagaggagc actgcctcac tacagcaact      120
30      gcacccacg atg cag agc atc aag tgc gtg gtg ggt gat ggg gct      168
32      Met Gln Ser Ile Lys Cys Val Val Val Gly Asp Gly Ala
33      1 5 10
35      gtg ggc aag acg tgc ctg ctc atc tgc tac aca act aac gct ttc ccc      216
36      Val Gly Lys Thr Cys Leu Leu Ile Cys Tyr Thr Thr Asn Ala Phe Pro
37      15 20 25
39      aaa gag tac atc ccc acc gtg ttc gac aat tac agc gcg cag agc gca      264
40      Lys Glu Tyr Ile Pro Thr Val Phe Asp Asn Tyr Ser Ala Gln Ser Ala
41      30 35 40 45
43      gtt gac ggg cgc aca gtg aac ctg aac ctg tgg gac act gcg ggc cag      312
44      Val Asp Gly Arg Thr Val Asn Leu Asn Leu Trp Asp Thr Ala Gly Gln
45      50 55 60
47      gag gag tat gac cgc ctc cgt aca ctc tcc tac cct cag acc aac gtt      360
48      Glu Glu Tyr Asp Arg Leu Arg Thr Leu Ser Tyr Pro Gln Thr Asn Val
49      65 70 75
51      ttc gtc atc tgt ttc tcc att gcc agt ccg ccg tcc tat gag aac gtg      408
52      Phe Val Ile Cys Phe Ser Ile Ala Ser Pro Ser Tyr Glu Asn Val
53      80 85 90
55      cgg cac aag tgg cat cca gag gtg tgc cac cac tgc cct gat gtg ccc      456
56      Arg His Lys Trp His Pro Glu Val Cys His His Cys Pro Asp Val Pro
57      95 100 105
59      atc ctg ctg gtg ggc acc aag aag gac ctg aga gcc cag cct gac acc      504
60      Ile Leu Leu Val Gly Thr Lys Lys Asp Leu Arg Ala Gln Pro Asp Thr
61      110 115 120 125
63      cta cgg cgc ctc aag gag cag agc cag gcg ccc atc aca cgg cag cag      552
64      Leu Arg Arg Leu Lys Glu Gln Ser Gln Ala Pro Ile Thr Pro Gln Gln
65      130 135 140
67      ggc cag gca ctc gcg aaa cag atc cac gct gtg cgc tac ctc gaa tgc      600
68      Gly Gln Ala Leu Ala Lys Gln Ile His Ala Val Arg Tyr Leu Glu Cys

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69          145          150          155
71 tca gcc ctg caa cag gat ggt gtc aag gaa gtg ttc gcc gag gct gtc 648
72 Ser Ala Leu Gln Gln Asp Gly Val Lys Glu Val Phe Ala Glu Ala Val
73          160          165          170
75 cgg gct gtg ctc aac ccc acg ccg atc aag cgt ggg cgg tcc tgc atc 696
76 Arg Ala Val Leu Asn Pro Thr Pro Ile Lys Arg Gly Arg Ser Cys Ile
77          175          180          185
79 ctc ttg tga cctctggcact tggcttggag gctgccctg cctctcccccc 745
80 Leu Leu
81 190
83 accagtgtgt ccttgggtgcc ttgtccgcct cagctgtgccc ttaaggacta attctggcac 805
85 ccctttccag gggttccctg aatgcctttt tctctgagtg cctttttctc ctttaaggagg 865
87 cctgcagaga aaggggcttt gggtctgtgcc cctctggtct gggaaacctg ggtattctca 925
89 tgagctcatt caagccaaag ttggaccctt ccccaagagg ccaacccagt gccccctccc 985
91 attttccgct actgaccagt tcattccagct ttccacacag ttgttgtgct ctattgttgt 1045
93 gccgcctcag gttaggggct ctcagccatc tctaacctct gccctgcgtg cttctgggaat 1105
95 tgcgcccca agatgctctc tcccttctcc aatgagggag ccacagaatc ctgagaaggt 1165
97 gaatgtacc taacctgtct ctctgtgctt aggccttacg catttgtga ctgactcagc 1225
99 ccccatgctt ctggggacct ttctacccc catcagcatc aataaaacct cctgtctcc 1284
102 <210> SEQ ID NO: 2
103 <211> LENGTH: 19
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: PCR Primer
110 <400> SEQUENCE: 2
111 caggcactcg cgaacaga 19
114 <210> SEQ ID NO: 3
115 <211> LENGTH: 23
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: PCR Primer
122 <400> SEQUENCE: 3
123 gaacacttcc ttgacacat cct 23
125 <210> SEQ ID NO: 4
126 <211> LENGTH: 23
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: PCR Probe
133 <400> SEQUENCE: 4
134 ccacgtgtg cgctacctcg aat 23
137 <210> SEQ ID NO: 5
138 <211> LENGTH: 19
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: PCR Primer

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145 <400> SEQUENCE: 5
146   gaaggtgaag gtcggagtc
149 <210> SEQ ID NO: 6
150 <211> LENGTH: 20
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: PCR Primer
157 <400> SEQUENCE: 6
158   gaagatggtg atgggatttc
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 20
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: PCR Probe
169 <400> SEQUENCE: 7
170   caagcttccc gttctcagcc
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 18
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Antisense Oligonucleotide
181 <400> SEQUENCE: 8
182   gacctggtgc ccctcccg
185 <210> SEQ ID NO: 9
186 <211> LENGTH: 18
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Antisense Oligonucleotide
193 <400> SEQUENCE: 9
194   tcttctggac ccctctgg
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 18
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Antisense Oligonucleotide
205 <400> SEQUENCE: 10
206   ggcagtgccct cctctctc
209 <210> SEQ ID NO: 11
210 <211> LENGTH: 18
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Antisense Oligonucleotide
217 <400> SEQUENCE: 11

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218      gtgcagttgc tgtagtga      18
221 <210> SEQ ID NO: 12
222 <211> LENGTH: 18
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Antisense Oligonucleotide
229 <400> SEQUENCE: 12
230      gcacgtgtggg tgcagttg      18
233 <210> SEQ ID NO: 13
234 <211> LENGTH: 18
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Antisense Oligonucleotide
241 <400> SEQUENCE: 13
242      ccaccacgca cttgatgc      18
245 <210> SEQ ID NO: 14
246 <211> LENGTH: 18
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Antisense Oligonucleotide
253 <400> SEQUENCE: 14
254      ttgtgtagca gatgagca      18
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 18
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Antisense Oligonucleotide
264 <400> SEQUENCE: 15
265      aaagcgtagg ttgtgtag      18
268 <210> SEQ ID NO: 16
269 <211> LENGTH: 18
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Antisense Oligonucleotide
276 <400> SEQUENCE: 16
277      gcgcgctgta attgtcga      18
280 <210> SEQ ID NO: 17
281 <211> LENGTH: 18
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Antisense Oligonucleotide
288 <400> SEQUENCE: 17
289      ggttcactgt gcgccgct      18

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292 <210> SEQ ID NO: 18
293 <211> LENGTH: 18
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Antisense Oligonucleotide
300 <400> SEQUENCE: 18
301   gtcccacagg ttcagggt
304 <210> SEQ ID NO: 19
305 <211> LENGTH: 18
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Antisense Oligonucleotide
312 <400> SEQUENCE: 19
313   tgtacggagg cggtcata
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 18
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Antisense Oligonucleotide
324 <400> SEQUENCE: 20
325   acgttggtct gagggtag
328 <210> SEQ ID NO: 21
329 <211> LENGTH: 18
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Antisense Oligonucleotide
336 <400> SEQUENCE: 21
337   caatggagaa acagatga
340 <210> SEQ ID NO: 22
341 <211> LENGTH: 18
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Antisense Oligonucleotide
348 <400> SEQUENCE: 22
349   cataggacgg cggactgg
352 <210> SEQ ID NO: 23
353 <211> LENGTH: 18
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Antisense Oligonucleotide
360 <400> SEQUENCE: 23
361   cgcacgttct cataggac
364 <210> SEQ ID NO: 24

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/787,252

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TIME: 20:03:44

Input Set : A:\ES.txt

Output Set: N:\CRF3\07272001\I787252.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date